



# **Pavement Condition Update**

December 18<sup>th</sup>, 2007  
City Council Work Session

# Agenda

- Results of pavement survey by Nichols Consulting Engineers
- Pavement Management Program
- Current Condition of Streets
- Funding Consequences and Maintenance Backlog
- Proposition 1B Local Streets and Roads Funds

# What is Pavement Management?

- Tests and monitors street conditions
- A tool to answer questions:
  - What is our street inventory?
  - What condition is it in?
  - What do we need to do to repair it?
  - How much will it cost?
  - When should I spend it?
  - What if ....???



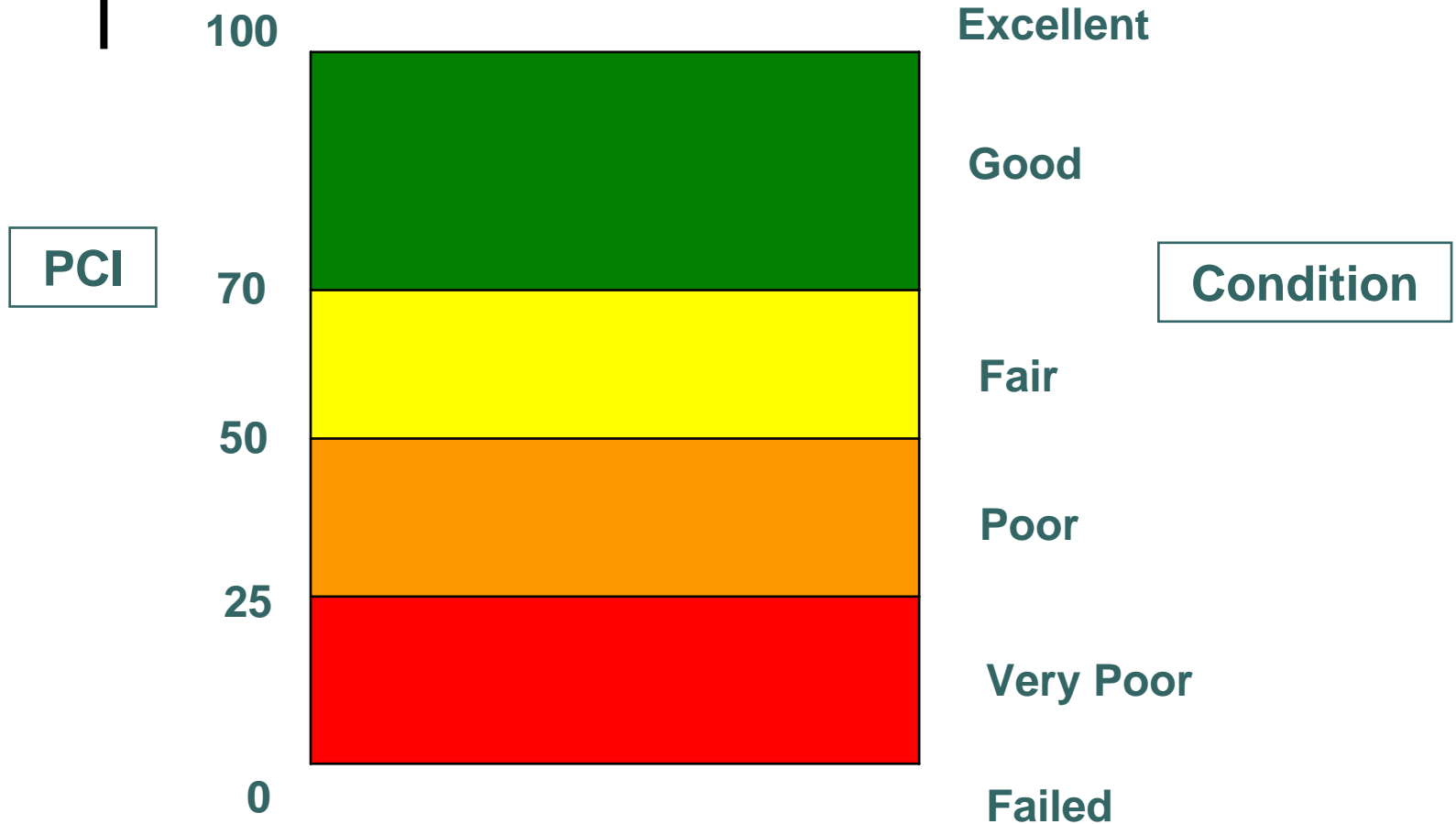
# City has huge investment in roads

- **\$ 789 million replacement value**

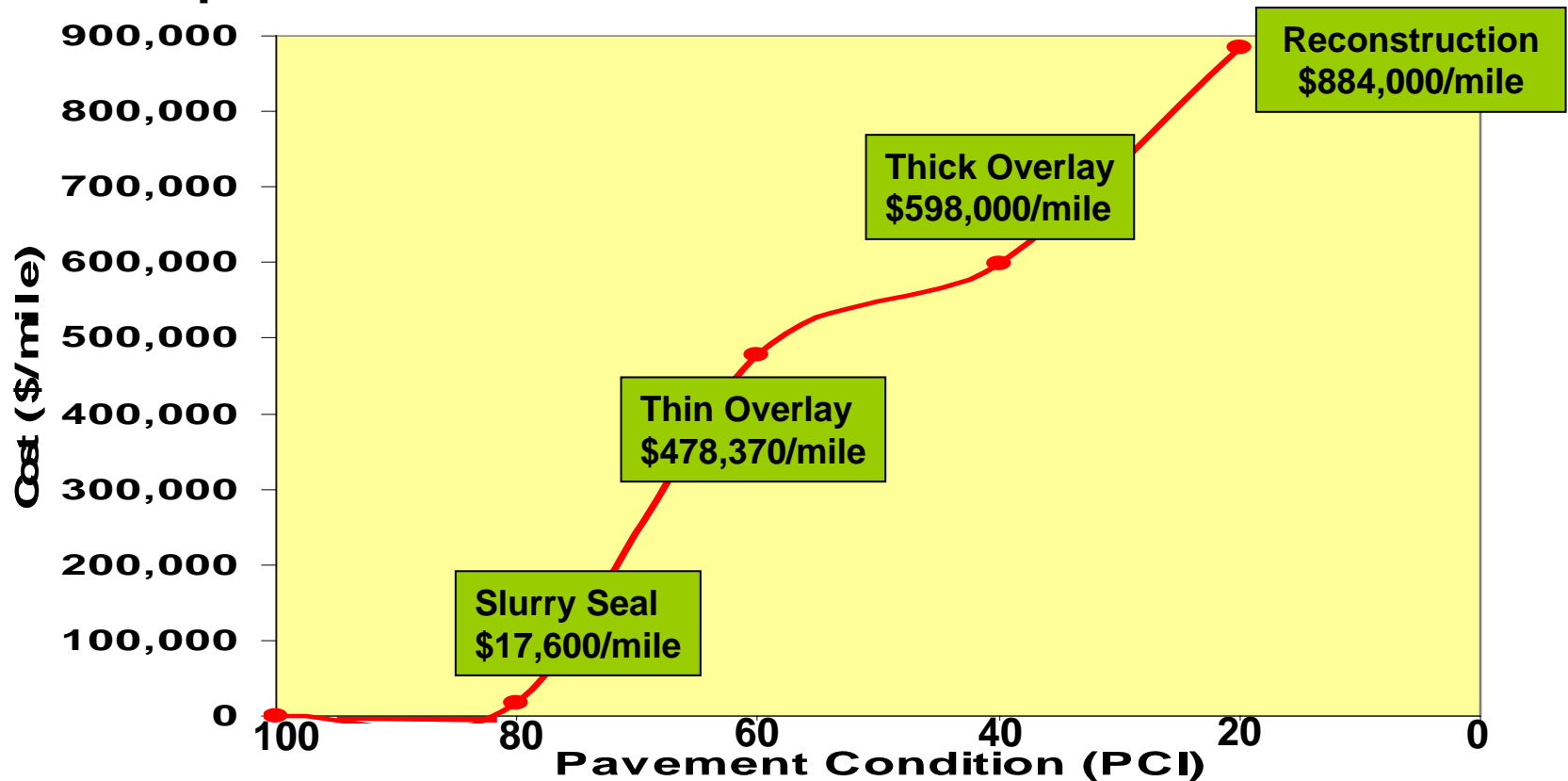
Functional Class	Total Miles
Arterials	132.3
Collectors	108.7
Minor	244.8
Total	485.8

# Condition Categories

## Pavement Condition Index (PCI)

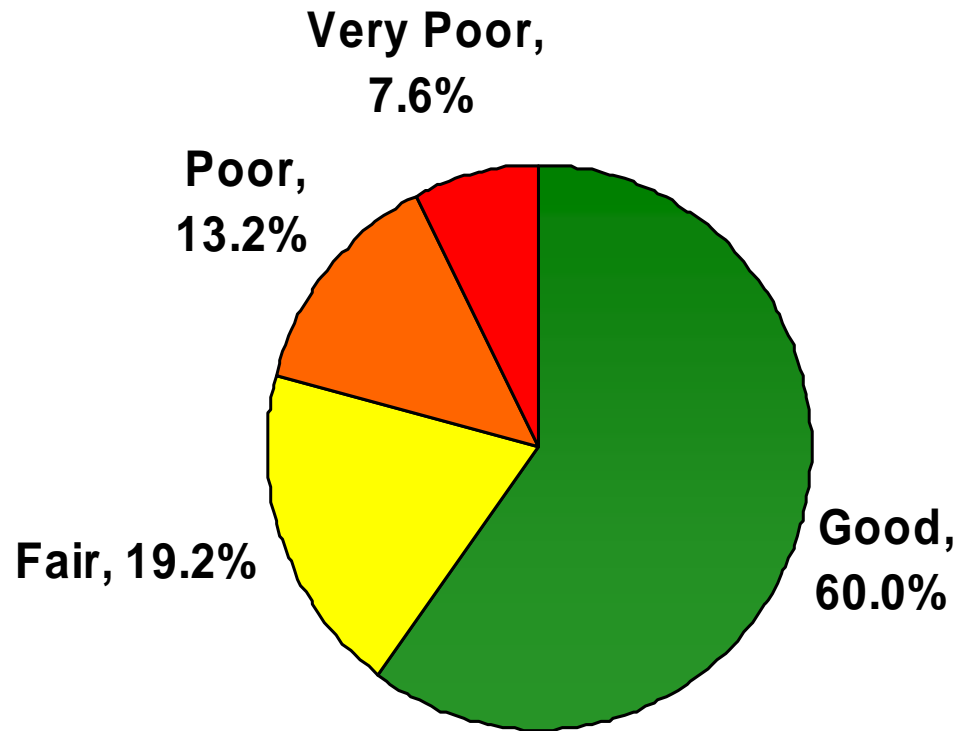


# Pay now or pay more later

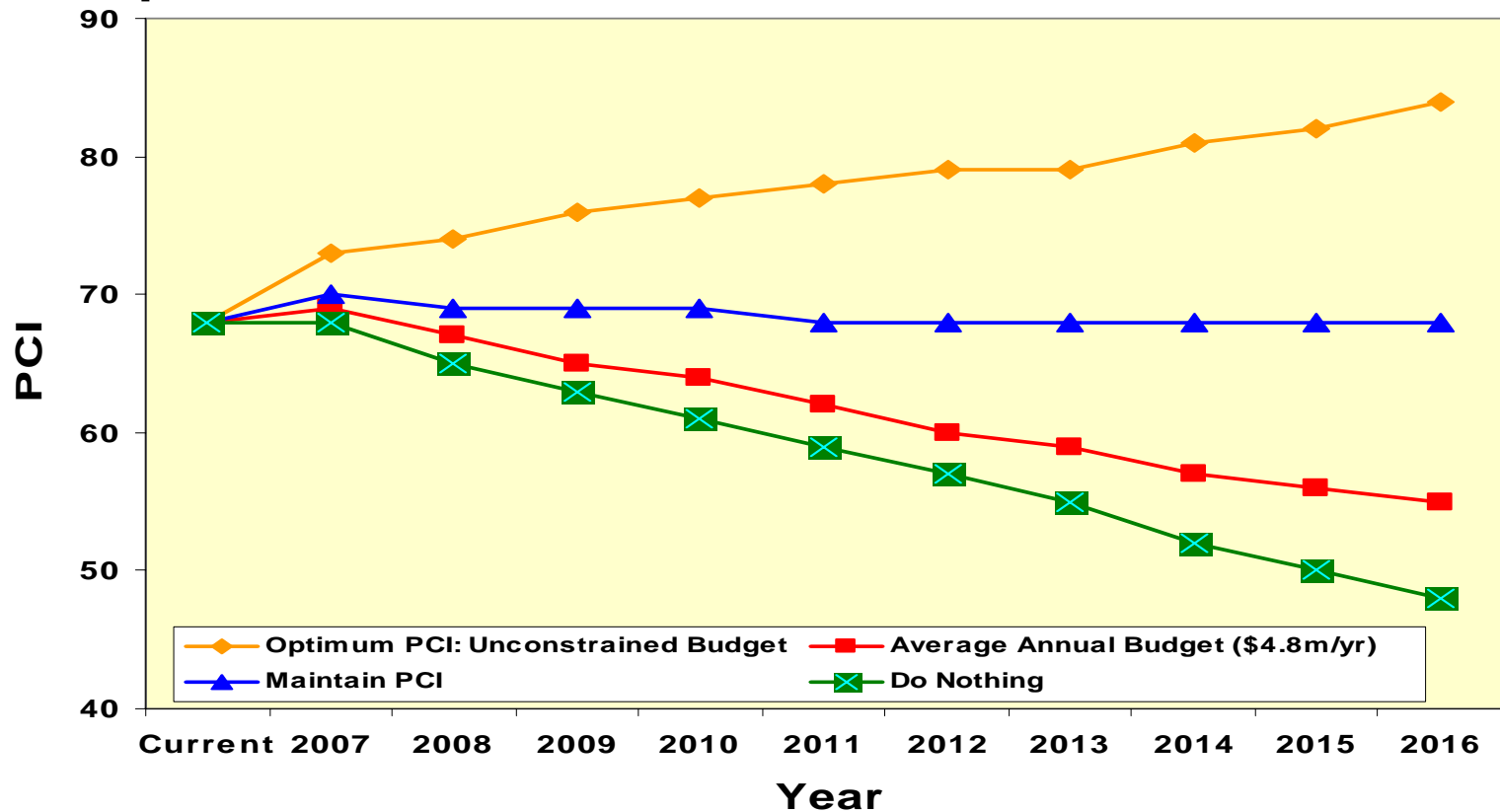


# Current Pavement Condition is Fair

**% Area of Network**

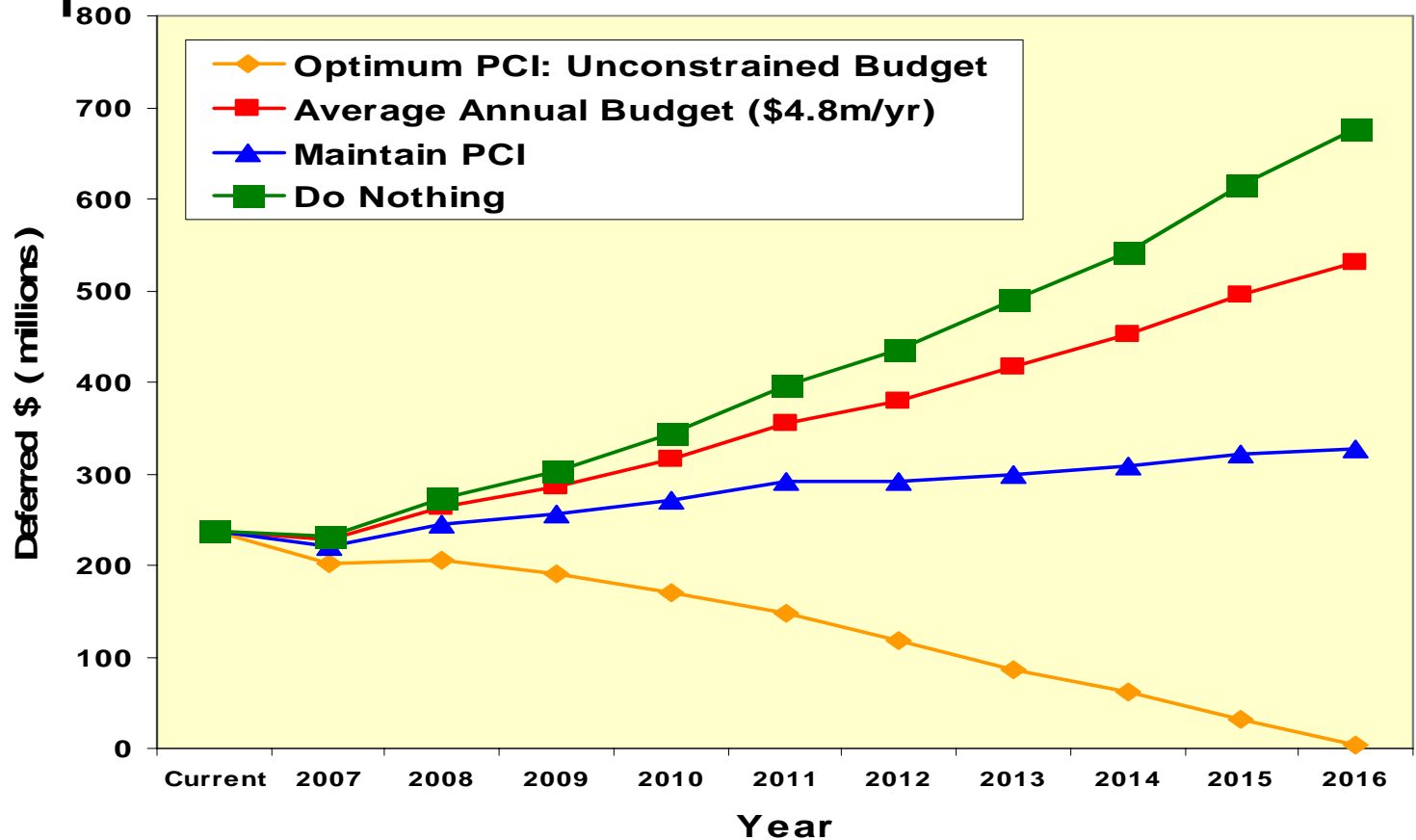


# Consequences of Different Funding Levels

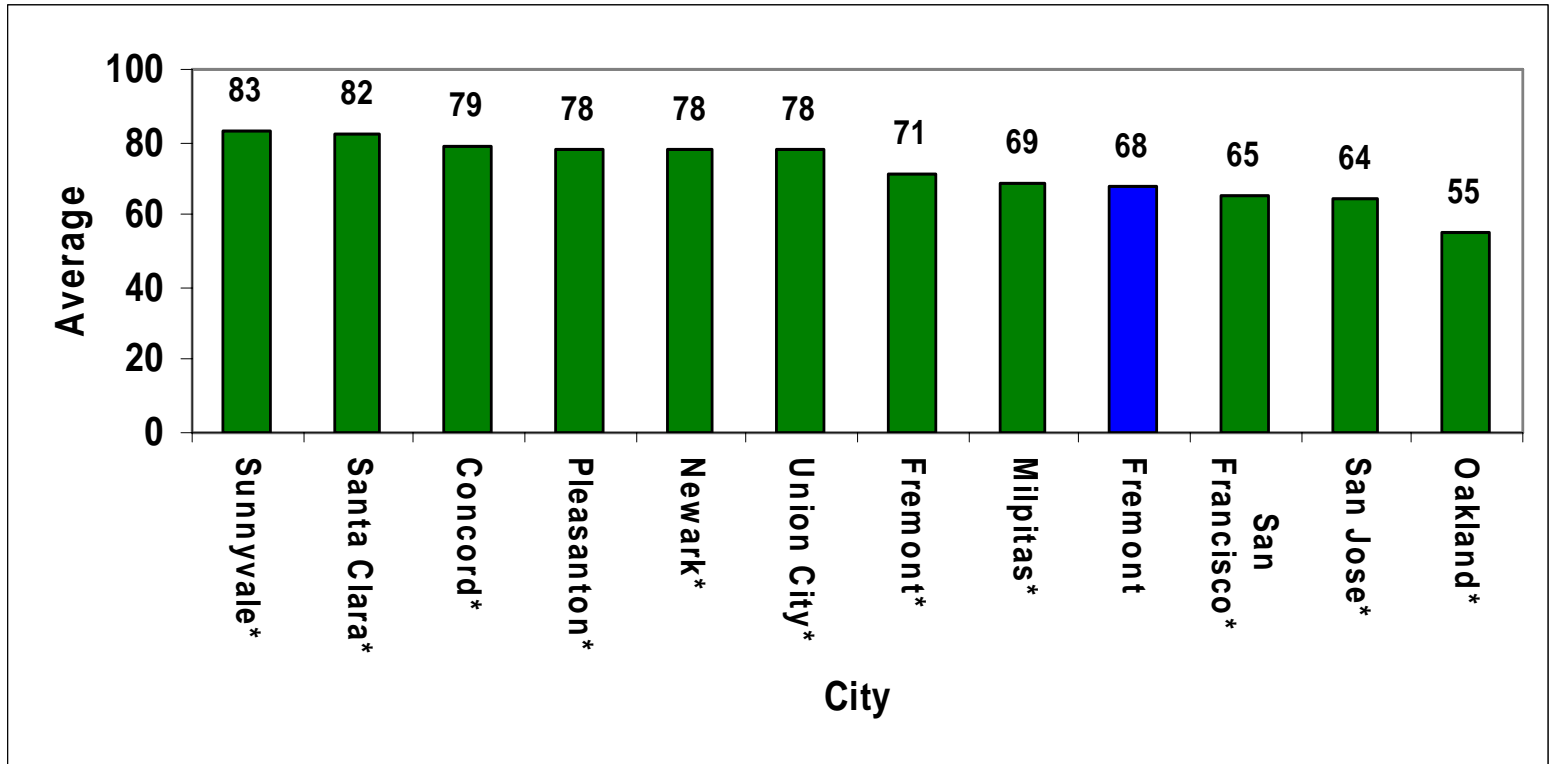




# Maintenance Backlog – Under Different Budgets



# Pavement Condition Comparisons



\* 2005 PCI Data

# Summary

- **Average pavement condition is fair (PCI: 68)**
- **Average annual funding level (\$4.8 m/yr) results:**
  - Pavement condition deteriorates to 55
  - Backlog increases to \$530 million
- **To maintain current PCI - \$12.0 m/yr is needed.**
- **\$386 million over 10 years would be needed to achieve pavement condition optimum of PCI=83.**